[예제 5-1] ex05-01.c

```c
#include <unistd.h>
#include <sys/types.h>
#include <sys/stat.h>
#include <fcntl.h>
#include <dirent.h>

int main()
{
    char buffer[256];
    DIR *dirp;
    struct dirent *dentry;

    getcwd(buffer, 256);
    printf("%s\n", buffer);

    mkdir("apple", 0755);
    mkdir("banana", 0755);

    chdir("apple");

    getcwd(buffer, 256);
    printf("%s\n", buffer);

    close(open("test.txt", O_CREAT | O_RDWR, 0644));

    chdir("..");

    rmdir("apple");
    rmdir("banana");

    dirp = opendir("apple");

    while(dentry = readdir(dirp))
            if(dentry->d_ino != 0)
                    printf("%s\n", dentry->d_name);

    rewinddir(dirp);
```

```
while(dentry = readdir(dirp))
        if(dentry->d_ino != 0)
                printf("%s\n", dentry->d_name);

closedir(dirp);
}
```

[예제 5-2] ex05-02.c

```c
#include <unistd.h>
#include <sys/types.h>
#include <sys/stat.h>

int main()
{
    mkdir("test_dir1", 0755);
    mkdir("test_dir2", 0755);

    rmdir("test_dir2");
}
```

[예제 5-3] ex05-03.c

```c
#include <sys/types.h>
#include <dirent.h>
#include <unistd.h>

int main()
{
    DIR *dirp;
    struct dirent *dentry;

    if((dirp = opendir(".")) == NULL)
        exit(1);

    while( dentry = readdir(dirp))
    {
        if(dentry->d_ino != 0)
            printf("%s\n", dentry->d_name);
    }

    closedir(dirp);
}
```

[예제 5-4] ex05-04.c

```c
#include <sys/types.h>
#include <dirent.h>
#include <unistd.h>

int main()
{
    DIR *dirp;
    struct dirent *dentry;

    if((dirp = opendir(".")) == NULL)
        exit(1);

    printf("존재하는 파일들..\n");
    while( dentry = readdir(dirp))
    {
        if(dentry->d_ino != 0)
            printf("%s\n", dentry->d_name);
    }

    rewinddir(dirp);

    printf("지워진 파일들..\n");
    while( dentry = readdir(dirp))
    {
        if(dentry->d_ino == 0)
            printf("%s\n", dentry->d_name);
    }

    closedir(dirp);
}
```

[예제 5-5] ex05-05.c

```c
#include <unistd.h>
#define BUF_SIZE    256

void printcwd()
{
    char buffer[BUF_SIZE];

    if(getcwd(buffer, BUF_SIZE) == NULL)
        exit(1);

    printf("%s\n", buffer);
}
int main()
{
    printcwd();
    chdir("/usr/include");
    printcwd();
    chdir("..");
    printcwd();
}
```